

Title (en)

FUEL-INJECTION METERING DEVICE, AND METHOD FOR PRODUCING A FUEL-INJECTION METERING DEVICE

Title (de)

KRAFTSTOFFEINSPRITZDOSIEREINRICHTUNG, UND VERFAHREN ZUM HERSTELLEN EINER  
KRAFTSTOFFEINSPRITZDOSIEREINRICHTUNG

Title (fr)

MOYEN DE DOSAGE ET D'INJECTION DE CARBURANT, ET PROCÉDÉ DE FABRICATION D'UN MOYEN DE DOSAGE ET D'INJECTION DE  
CARBURANT

Publication

**EP 2943681 B1 20180919 (DE)**

Application

**EP 15704733 A 20150203**

Priority

- DE 102014101308 A 20140203
- EP 2015052157 W 20150203

Abstract (en)

[origin: WO2015114159A1] The invention relates to a fuel-injection metering device (7) for a motor vehicle, said device having a main body (10) comprising at least one through-hole and the main body (10) forming a valve seat (8) on its inner face (9). The valve seat is provided to interact with a valve body (5) in order to seal and open the through-hole, and the inner face (9) of the main body (10) is electrochemically machined. The invention also relates to a mould (22), a production method and a fuel injection nozzle (1).

IPC 8 full level

**F02M 61/18** (2006.01); **B23H 3/00** (2006.01); **B23H 3/04** (2006.01); **B23H 9/00** (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP KR US)

**B23H 3/00** (2013.01 - KR US); **B23H 3/04** (2013.01 - EP KR US); **B23H 9/00** (2013.01 - EP KR US); **F02M 61/12** (2013.01 - EP KR US);  
**F02M 61/168** (2013.01 - EP KR US); **F02M 61/188** (2013.01 - EP KR US); **F02M 61/1886** (2013.01 - EP KR US); **F02M 69/002** (2013.01 - US);  
**B23H 9/14** (2013.01 - EP US); **F02M 2200/80** (2013.01 - US); **F02M 2200/8046** (2013.01 - US); **F02M 2200/8069** (2013.01 - EP KR US)

Cited by

TWI675206B

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2015114159 A1 20150806**; CN 105980696 A 20160928; CN 105980696 B 20190927; CN 110425067 A 20191108;  
CN 110425067 B 20210629; DE 102014101308 A1 20150806; DE 102014101308 B4 20220127; DK 2943681 T3 20190107;  
EP 2943681 A1 20151118; EP 2943681 B1 20180919; EP 3343016 A1 20180704; EP 3343016 B1 20190605; ES 2679997 T1 20180903;  
ES 2679997 T3 20200218; ES 2699642 T3 20190212; HK 1217746 A1 20170120; HR P20191531 T1 20191129; HU E042259 T2 20190628;  
HU E045072 T2 20191230; HU E18156067 T1 20190628; KR 102012546 B1 20191021; KR 20160119177 A 20161012;  
PL 2943681 T3 20190131; PL 3343016 T1 20181203; PL 3343016 T3 20191129; RS 59104 B1 20190930; SI 3343016 T1 20190930;  
TR 201819150 T4 20190121; US 10288027 B2 20190514; US 10989157 B2 20210427; US 2017009725 A1 20170112;  
US 2019234364 A1 20190801

DOCDB simple family (application)

**EP 2015052157 W 20150203**; CN 201580006947 A 20150203; CN 201910721772 A 20150203; DE 102014101308 A 20140203;  
DK 15704733 T 20150203; EP 15704733 A 20150203; EP 18156067 A 20150203; ES 15704733 T 20150203; ES 18156067 T 20150203;  
HK 16105616 A 20160516; HR P20191531 T 20190826; HU E15704733 A 20150203; HU E18156067 A 20150203;  
KR 20167024548 A 20150203; PL 15704733 T 20150203; PL 18156067 T 20150203; RS P20191022 A 20150203; SI 201530842 T 20150203;  
TR 201819150 T 20150203; US 201515115710 A 20150203; US 201916367909 A 20190328